

Mouse Cytokeratin 19 (KRT19) Monoclonal Antibody | anti-KRT19 antibody

Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214428	Mouse	Human.Does not react with Rat and Ferret. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

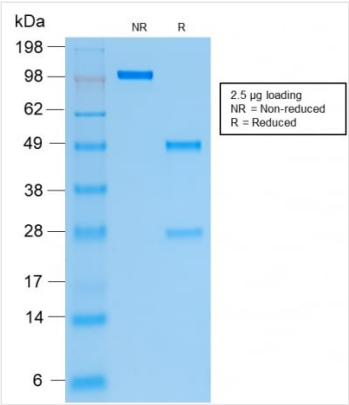
PRODUCT SYNONYMS

Cytokeratin 19 (KRT19); Monoclonal Antibody; Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker); k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19; anti-KRT19 antibody

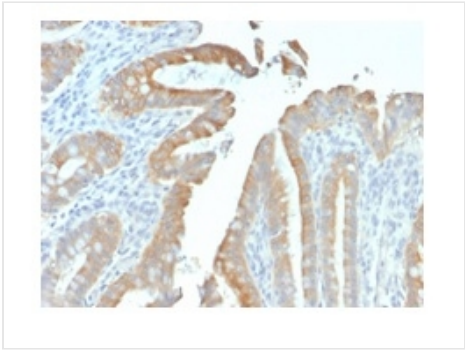
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Does not react with Rat and Ferret. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	rKRT19/799
Specificity	This MAb reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa. Its epitope maps between amino acid 312-335. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	400
Applicable Applications for anti-KRT19 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human KRT19 protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	17q21.2
Positive Control	MCF-7, HeLa, Hep-G2 cells, Breast Cancer
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Colon stained with Cytokeratin 19 Mouse Recombinant Monoclonal Antibody (rKRT19/799).

ADDITIONAL INFORMATION

References	Karsten et al., Eur.J.Cancer Clin. Oncol. 21(6), 733-740 (1985).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267.2
NCBI GenBank Nucleotide #	NM_002276.4
UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	40kDa
NCBI Official Full Name	keratin, type I cytoskeletal 19
NCBI Official Synonym Full Names	keratin 19
NCBI Official Symbol	KRT19
NCBI Official Synonym Symbols	K19; CK19; K1CS
NCBI Protein Information	keratin, type I cytoskeletal 19
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.